CONTENTS OF VOLUME 42

NUMBER 1

Invited Review

1 ADVANCES IN UNDERSTANDING THE RENAL TRANSPORT AND TOXICITY OF MERCURY **Rudolfs K. Zalups and Lawrence H. Lash**

Original Contributions

45 USE OF LEAD-GLAZED CERAMICS IS THE MAIN FACTOR ASSOCIATED TO HIGH LEAD IN BLOOD LEVELS IN TWO MEXICAN RURAL COMMUNITIES **Magdalena Rojas-López, Carlos Santos-Burgoa, Camilo Ríos, Mauricio Hernández-Avila, and Isabelle Romieu**

53 NORMATIVE HEMATOLOGIC AND SERUM BIOCHEMICAL VALUES FOR ADULT AND INFANT RHESUS MONKEYS (*MACACA MULATTA*) IN A CONTROLLED LABORATORY ENVIRONMENT **S. Fernie, E. Wrenshall, S. Malcolm, F. Bryce, and D. L. Arnold**

73 COMPARISON OF LESIONS INDUCED BY INTRA-ARTICULAR INJECTIONS OF QUINOLONES AND COMPOUNDS DAMAGING CARTILAGE COMPONENTS IN RAT FEMORAL CONDYLES **Sanae Takada, Michiyuki Kato, and Satoshi Takayama**

89 BIOCHEMICAL EFFECTS OF MANUFACTURED GAS PLANT RESIDUE FOLLOWING INGESTION BY B6C3F1 MICE **Eric H. Weyand, Yun Wu, Shruti Patel, and Lawrence Goldstein**

109 EXPOSURE TO HIGH FLUORIDE CONCENTRATIONS IN DRINKING WATER IS ASSOCIATED WITH DECREASED BIRTH RATES **Stan C. Freni**

NUMBER 2

Invited Review

123 METAL-INDUCED DEVELOPMENTAL TOXICITY IN MAMMALS: A REVIEW **J. L. Domingo**

Original Contributions

143 EVALUATION OF THE HUMORAL IMMUNE RESPONSE OF CD RATS FOLLOWING A 2-WEEK EXPOSURE TO THE PESTICIDE CARBARYL BY THE ORAL, DERMAL, OR INHALATION ROUTES **Gregory S. Ladics, Charlene Smith, Karen Heaps, and Scott E. Loveless**

157 CONGENER-SPECIFIC DETERMINATION OF POLYCHLORINATED BIPHENYLS AND ORGANOCHLORINE PESTICIDES IN HUMAN MILK FROM NORWEGIAN MOTHERS LIVING IN OSLO **Hege Rebecka Johansen, Georg Becher, Anuschka Polder, and Janneche Utne Skaare**

173 EFFECTS OF FASTING AND 3,3',4,4',5,5'-HEXABROMOBIPHENYL ON PLASMA TRANSPORT OF THYROXINE AND RETINOL: FASTING REVERSES ELEVATION OF RETINOL **P. A. Spear, P. Higueret, and H. Garcin**

185 MANGANESE TOXICITY: MUSCARINIC RECEPTOR BINDING IN THE MOUSE BRAIN **Virginia Villalobos, Fidel Castro, Ernesto Bonilla, Jesús Estévez, and José Omar Dávila**

193 EFFECT OF CHLORPROMAZINE PRETREATMENT ON CADMIUM TOXICITY IN THE MALE WISTAR (WF/NCr) RAT **Noriyuki Shiraishi, Sabine Rehm, and Michael P. Waalkes**

209 FUNGAL METABOLISM OF 3-NITROFLUORANTHENE **Jairaj V. Pothuluri, Frederick E. Evans, Thomas M. Heinze, and Carl E. Cerniglia**

219 RISK OF BENZENE-INDUCED LEUKEMIA: A SENSITIVITY ANALYSIS OF THE PLIOFILM COHORT WITH ADDITIONAL FOLLOW-UP AND NEW EXPOSURE ESTIMATES **Kenny S. Crump**

243 ANNOUNCEMENT

NUMBER 3

Original Contributions

245 EVALUATION OF ASSAYS FOR THE IDENTIFICATION AND QUANTITATION OF MUCONIC ACID, A BENZENE METABOLITE IN HUMAN URINE **Andi Bartczak, Stanley A. Kline, Ryun Yu, Clifford P. Weisel, Bernard D. Goldstein, Gisela Witz, and William E. Bechtold**

259 FETAL HEMATOPOIETIC ALTERATIONS AFTER MATERNAL EXPOSURE TO BENZO[a]PYRENE: A CYTOMETRIC EVALUATION **S. D. Holladay and B. J. Smith**

275 MEASUREMENT OF ENVIRONMENTAL FORMYLMETHIONYL-PEPTIDES **P. D. Siegel, E. A. Ronk, P. R. Clark, T. A. Shahan, and V. Castranova**

289 TOXICITY OF FOUR POTENTIALLY ICHTHYOTOXIC MARINE PHYTOFLAGELLATES DETERMINED BY FOUR DIFFERENT TEST METHODS **Anne-Sophie Meldahl, Bente Edvardsen, and Frode Fonnum**

303 ROLE OF $RT6^+$ T LYMPHOCYTES IN MERCURY-INDUCED RENAL AUTOIMMUNITY: EXPERIMENTAL MANIPULATIONS OF "SUSCEPTIBLE" AND "RESISTANT" RATS **Linda L. Kosuda, Homayoun Hosseinzadeh, Dale L. Greiner, and Pierluigi E. Bigazzi**

323 EFFECT OF ORALLY ADMINISTERED CADMIUM ON IN SITU pH, PCO_2, AND BICARBONATE CONCENTRATION IN RAT TESTIS AND EPIDIDYMIS **Carlton R. Caflisch**

331 CHANGES IN NA-K ATPASE AND PROTEIN KINASE C ACTIVITIES IN PERIPHERAL NERVE OF ACRYLAMIDE-TREATED RATS **Ellen J. Lehning, Richard M. LoPachin, Joy Mathew, and Joseph Eichberg**

343 TOXIC NEUROFILAMENTOUS AXONOPATHIES AND FAST AXONAL TRANSPORT. V. REDUCED BIDIRECTIONAL VESICLE TRANSPORT IN CULTURED NEURONS BY ACRYLAMIDE AND GLYCIDAMIDE **C. H. Harris, A. K. Gulati, M. A. Friedman, and D. W. Sickles**

357 INFLUENCE OF POLYCHLORINATED BIPHENYLS ON THE GROWTH OF CHICKEN EMBRYOS **Yasuhiko Hatano and Akira Hatano**

365 BOOK REVIEW

NUMBER 4

Original Contributions

367 HOW SHOULD SUCCESS BE MEASURED IN ECOLOGICAL RISK ASSESSMENT? THE IMPORTANCE OF PREDICTIVE ACCURACY **Joanna Burger**

377 IMMUNOTOXICITY OF PARTICULATE LEAD: IN VITRO EXPOSURE ALTERS PULMONARY MACROPHAGE TUMOR NECROSIS FACTOR PRODUCTION AND ACTIVITY **Mitchell D. Cohen, Zhijian Yang, and Judith T. Zelikoff**

393 FAILURE TO OBSERVE A RELATIONSHIP BETWEEN BIS-(β-CHLOROETHYL)-SULFIDE-INDUCED NAD DEPLETION AND CYTOTOXICITY IN THE RAT KERATINOCYTE CULTURE **P. Lin, I. A. Bernstein, and F. L. Vaughan**

407 INFLUENCE OF PARTICLE DOSE ON THE CYTOTOXICITY OF HAMSTER AND RAT PULMONARY ALVEOLAR MACROPHAGE IN VITRO **D. Warshawsky, R. Reilman, J. Cheu, M. Radike, and C. Rice**

423 MUTAGENICITY OF PARTICULATE EMISSIONS FROM THE M16 RIFLE: VARIATION WITH PARTICLE SIZE **Winifred G. Palmer, A. W. Andrews, Donna Mellini, Joseph A. Terra, Florence J. Hoffmann, and Steven H. Hoke**

435 EFFECT OF OZONE EXPOSURE ON ANTIGEN-INDUCED AIRWAY HYPERRESPONSIVENESS IN GUINEA PIGS **Mario H. Vargas, Patricia Segura, María G. Campos, Enrique Hong, and Luis M. Montaño**

443 DEVELOPMENTAL TOXICITY EVALUATION OF MONOISOAMYL *meso*-2,3-DIMERCAPTOSUCCINATE IN MICE **M. A. Bosque, J. L. Domingo, J. Corbella, M. M. Jones, and P. K. Singh**

451 IN VIVO ACUTE EFFECTS OF CARBOFURAN ON PROTEIN, LIPID, AND LIPOPROTEINS IN RAT LIVER AND SERUM **Ramesh C. Gupta, John T. Goad, and Wade L. Kadel**

463 BOOK REVIEW

FOLLOWING PAGE 464:
TITLE PAGE TO VOLUME 42
CONTENTS OF VOLUME 42
AUTHOR INDEX TO VOLUME 42
SUBJECT INDEX TO VOLUME 42